

SHARON M. ROY

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Software Engineer

Technical Tools and Skills

Skills Sets:

Software Engineering	Full Stack Web Development	Enterprise Integrations
Windows Desktop Applications	Database Development	Legacy Conversions

Tools and Languages:

.Net Framework/Core	C#/.Net	VB.Net	SQL Server
MVC and MVVM	Entity Framework	WPF	REST API
JavaScript	Node.js	Express.js	React.js
MongoDB	MySQL	Bootstrap	HTML5
CSS3	NPM Packages	Git	Azure DevOps
Visual Basic 5/6	Pascal/Delphi	C/C++	SOAP

Professional Experience

Project Consultant, 10/2020 to present – ROBERT HALF TECHNOLOGY, Bloomington, MN

- Contract development to add enhancements to a suite of Windows enterprise applications. Utilizing .Net Framework, C# and VB.Net, SQL, Entity Framework, WPF and XAML, Web API, Unit Testing, Agile.

Senior Software Engineer/Project Lead, 10/2015 to 5/2020 – MHC SOFTWARE, Burnsville, MN

- Principle software engineer, leading efforts to modernize legacy WinForm desktop applications and Windows services from Visual Basic 5/6 to .Net Framework, both C# and VB.Net.
- Created custom data integration and synchronization services.
- Demonstrated strong understanding of end-to-end SDLC stages and methodologies, Agile principles.
- Gained expertise in the programmatic graphical drawing and rendering of custom business forms and documents, and in distributed high-volume batched printing solutions.

Information Engineer/.Net Developer Lead, 3/2015 to 10/2015 – TRAVELERS INSURANCE, Saint Paul, MN

- .Net Development and technical lead on the Bond and Financial Products Document Services team.
- Assisted business analysts and project leads in formulating design specifications, establishing team estimates and schedules.
- VB.Net and C# development, technical documentation, technical and analytical support.

Enterprise Application Integration Engineer II, 9/2011 to 3/2015 – DELUXE CORPORATION, Shoreview, MN

- Provided development and technical support to a custom printing subsidiary held by Deluxe.
- Led projects to upgrade and enhance enterprise software for print order management, inventory control, and online marketing campaign services.
- Utilized advanced SQL skills: relational data modeling, SSIS, SSRS, stored procedures, functions, triggers, T-SQL.
- Conducted training and mentoring for development interns and other IT team members.

Senior Programmer Analyst, 6/2003 to 9/2011 – ALERUS FINANCIAL, St. Paul, MN

- Participated in projects in a variety of capacities, including project manager, technical analyst, lead developer, and tester.
- On-the-job learning of SQL database administration fundamentals, advanced T-SQL programming, and ASP.Net web development. Projects included: data warehouse and reporting system, public single sign-on and multi-factor authentication portal, internal business applications, customer facing web applications for retirement services support.
- Performed duties of IT Support Specialist, spending a portion of my time on help desk and overnight/weekend support rotations for all banking systems.
- Additional role of Senior Technical Business Analyst for Alerus Retirement Solutions. System support specialist and principle OmniScript programmer for Sungard OmniPlus Retirement Recordkeeping system.

Lead Macintosh Software Engineer, 11/1996 to 7/2002 – AATRIX SOFTWARE, Grand Forks, ND

- Nearly 6 years participating and then leading in all phases of SDLC for a commercial small business accounting software package called Mac P&L. Responsible for three major and eight minor upgrades of the software, including a major upgrade for platform migration from Mac OS Classic to Mac OS X, and a database engine replacement. Primary languages used for MacOS development were Pascal and C/C++.
- Developed database utilities for customer upgrades, conversions, and data migrations. Performed in-house database repairs and modifications for customers. Assisted support staff with technical documentation and support processes.

More history by request (1989 – 1995)

Education

University of Minnesota, Full Stack Coding Boot Camp, 9/2020 - 3/2021

- Acquired skills that are in high demand as a full stack JavaScript web developer
- <https://github.com/smartyroy>

University of North Dakota, Grand Forks, North Dakota, 8/2002 - 5/2003

- Thirteen credits completed towards Master's degree in Computer Science. GPA 3.5
- Concentration of studies on Software Engineering and Database Management Systems

University of North Dakota, Grand Forks, North Dakota, 1993 - 1995

- 1995 BS in Computer Science, Minor in Mathematics. Other major concentration: Physics. GPA 3.55
- Special Projects and Interests: Artificial Intelligence, Expert Systems, Operations Research

Louisiana State University, Shreveport, Louisiana, 1992 - 1993

- Concentration of studies in Computer Science. Dean's List, Fall 1992

Trenton State College, Trenton, New Jersey, 1981 - 1984

- Concentration of studies in Physics, Mathematics, Computer Science